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a1 7 1. An image recognition device, comprising:

an element matching means to match a plurality of input pattern elements obtained by dividing an input image into a plurality of regions with the corresponding target pattern elements of a target pattern; and

5 a pattern detection means to detect relative positions of said plurality of input pattern elements compared with reference arrangement data of said target pattern elements in order to recognize whether said input image includes said target pattern.

2. An image recognition device, comprising:

10 a dictionary generating unit which stores dictionary data for each pattern element in a target pattern;

an element matching unit, which compares and matches input image pattern data which is provided as input against said dictionary data stored in said dictionary generating unit;

15 an arrangement data generating unit which stores the position data representing the arrangement of the target pattern elements; and

a pattern detection unit, which based on the output of said element matching unit and said position data from said arrangement data generating unit, determines whether said target pattern can be found in said input image pattern data.

20 3. The image recognition device of claim 2, wherein said dictionary generating unit comprises a software routine.

4. The image recognition device of claim 2, wherein said element matching unit comprises a software routine.

5 5. The image recognition device of claim 2, wherein said arrangement data generating unit comprises a software routine.

6. The image recognition device of claim 2, wherein said pattern detection unit comprises a software routine.

10 7. An image processing device, comprising:

an element matching means to match a plurality of input pattern elements obtained by dividing an input image into a plurality of regions with the corresponding target pattern elements of a target pattern;

15 a pattern detection means to detect relative positions of said plurality of input pattern elements compared with a reference arrangement data of said target pattern elements in order to recognize whether said input image includes said target pattern; and

a control means to control output of said input image to an output device when said pattern detection means recognizes said input image includes said target pattern.

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8. The image processing device of claim 7, wherein said output device comprises a printer.

9. The image processing device of claim 7 further comprising a scanner to input said input image into said image processing device.

5 10. The image processing device of claim 7 further comprising a digital camera to input said input image into said image processing device.

11.. The image processing device of claim 7 further comprising a floppy disc to input said input image into said image processing device.

12. The image processing device of claim 7 further comprises a personal computer to facilitate copying of said input image.

13. A recording medium containing computer code for implementing an image recognition method, said recording medium comprising:

5 a storage area having stored thereon a computer code, said computer code comprising:

an element matching means to match a plurality of input pattern elements obtained by dividing an input image into a plurality of regions with corresponding target pattern elements of a target pattern; and

20 a pattern detection means to detect relative positions of said plurality of input pattern elements compared with a reference arrangement data of said target

pattern elements in order to recognize whether said input image includes said target pattern.

14. A method of processing an image, said method comprising:

inputting a reference image;

determining target pattern elements for said reference image by dividing said reference image into a plurality of regions;

determining arrangement data for said target pattern elements;

inputting data for an input image;

determining input elements for said input image by dividing said input image into said plurality of regions corresponding to said reference image; and

comparing said target pattern elements and said input elements.

15. The method of claim 14, wherein said comparing comprises comparing said target pattern elements and said input elements relative position to each other using said arrangement data.

16. The method of claim 14 further comprising halting the process if said target pattern elements include said input elements based on said comparing.

17. The method of claim 14 further comprising changing the color of a reproduction of said input image if said target pattern elements include said input elements based on said comparing.

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19. The method of claim 14 further comprising superimposing an alphanumeric character on top of a reproduction of said input image if said target pattern elements include said input elements based on said comparing.

地区	1980年	1981年	1982年	1983年	1984年	1985年	1986年	1987年	1988年	1989年	1990年	1991年	1992年	1993年	1994年	1995年	1996年	1997年	1998年	1999年	2000年	2001年	2002年	2003年	2004年	2005年	2006年	2007年	2008年	2009年	2010年	2011年	2012年	2013年	2014年	2015年	2016年	2017年	2018年	2019年	2020年	2021年	2022年	2023年	2024年	2025年	2026年	2027年	2028年	2029年	2030年	2031年	2032年	2033年	2034年	2035年	2036年	2037年	2038年	2039年	2040年	2041年	2042年	2043年	2044年	2045年	2046年	2047年	2048年	2049年	2050年	2051年	2052年	2053年	2054年	2055年	2056年	2057年	2058年	2059年	2060年	2061年	2062年	2063年	2064年	2065年	2066年	2067年	2068年	2069年	2070年	2071年	2072年	2073年	2074年	2075年	2076年	2077年	2078年	2079年	2080年	2081年	2082年	2083年	2084年	2085年	2086年	2087年	2088年	2089年	2090年	2091年	2092年	2093年	2094年	2095年	2096年	2097年	2098年	2099年	2100年																																																																																																																																																																	
北京	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	2